Turn Extensions Off 9.2

Posted by gen green - 2008/05/30 12:01

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Hi All- I have some code to turn off extensions when ArcMap is opened. It works with OpenDocument in 9.1 but in 9.2 it only runs 'manually'. Hmm. Any ideas on what I need to change? I am saving it in normal.mxt ThisDocument with the OpenDocument declaration. Here is the code:

```
Private Function MxDocument_OpenDocument() As Boolean
  Dim msgString As String
  Dim pExtManager As IExtensionManager
  Dim pExt As IExtension
  Dim pExtConfig As IExtensionConfig
  Dim i As Integer
  Set pExtManager = Application
  'MsgBox "Hi B"
  msgString = ""
  For i = 0 To pExtManager.ExtensionCount - 1
   Set pExt = pExtManager.Extension(i)
   'MsgBox pExt.Name

   If pExt.Name = "ArcPress" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "ArcPress"
       pExtConfig.State = esriESDisabled
     End If
   End If

   If pExt.Name = "ESRI Publisher Extension" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "Publisher"
       pExtConfig.State = esriESDisabled
     End If
   End If

   If pExt.Name = "ESRI ArcPad" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "ArcPad"
       pExtConfig.State = esriESDisabled
     End If
   End If

   If pExt.Name = "Spatial Analyst" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "Spatial Analyst"
       pExtConfig.State = esriESDisabled
     End If
   End If

   If pExt.Name = "Geostatistical Analyst" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "Geostatistical Analyst"
       pExtConfig.State = esriESDisabled
     End If
   End If

   If pExt.Name = "3D Analyst" Then
     Set pExtConfig = pExt
     If pExtConfig.State = esriESEnabled Then
       msgString = msgString & vbNewLine & "3D Analyst"
       pExtConfig.State = esriESDisabled
     End If
```

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      End If

   If pExt.Name = "SurveyAnalyst_ArcMapExtension" Then
      Set pExtConfig = pExt
      If pExtConfig.State = esriESEnabled Then
         msgString = msgString & vbNewLine & "SurveyAnalyst_ArcMapExtension"
         pExtConfig.State = esriESDisabled
      End If
   End If
 Next i

 If msgString  "" Then
   MsgBox "Turning Off Extensions:" & vbNewLine & msgString
 Else
   MsgBox "No Extensions turned off"
 End If
End Function
```

Many thanks!
Gen Green

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Re:Turn Extensions Off 9.2
Posted by gen green - 2008/05/30 13:12
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This code turns off all extensions rather than letting you choose which ones to turn off... It works in 9.1 but, sadly I'm
missing something to get it to run in 9.2. Posted in case anyone is interested!

```
Private Function MxDocument_OpenDocument() As Boolean
   Dim i
   Dim pUID As UID
   Dim pIJITExtMgr As IJITExtensionManager
   Dim pExtMgr As IExtensionManager
   Dim pExtConf As IExtensionConfig
   Dim pExt As IExtension
   Set pIJITExtMgr = Application
   Set pExtMgr = Application
   For i = 0 To pIJITExtMgr.JITExtensionCount - 1
      Set pUID = pIJITExtMgr.JITExtensionCLSID(i)
      Set pExt = pExtMgr.FindExtension(pUID)
      If TypeOf pExt Is IExtensionConfig Then
         Set pExtConf = pExt
         If pExtConf.State = esriESEnabled Then
            pExtConf.State = esriESDisabled
         End If
      End If
   Next
      For i = 0 To pExtMgr.ExtensionCount - 1
      Set pExt = pExtMgr.Extension(i)
      If TypeOf pExt Is IExtensionConfig Then
         Set pExtConf = pExt 'QI
         pExtConf.State = esriESDisabled
      End If
   Next
End Function
```

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Re:Turn Extensions Off 9.2
Posted by Steve Gourley - 2008/05/31 13:56
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I'm not sure why this doesn't work but if you do end up getting it working you should post this in the VB section under GIS Resources and Scripts and Code.

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Re:Turn Extensions Off 9.2
Posted by Bert Granberg - 2008/06/02 13:56
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Hi Gen,

The long version of the script you posted works fine for me 9.2. The short version had a coulpe of small issues with it one of which was that you can't set the state to "disabled" if the state is "unavailable".

I posted a revised version of the short script at: http://gis.utah.gov/code-visual-basic/vba-turn-off-extensions

Thanks for bringing this up, I'd forgotten about that script which is super useful for keeping license needs down to a minimum

Bert

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Re:Turn Extensions Off 9.2 this version works well
Posted by gen green - 2008/06/02 14:42
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This version works great in 9.2:

```
 Dim pUID As UID
   Dim pExtMgr As IExtensionManager
   Dim pJITExtMgr As IJITExtensionManager
   Dim pExt As IExtension

    pExtMgr = m_App
    For I = 0 To pExtMgr.ExtensionCount - 1
     pExt = pExtMgr.Extension(I)
     If TypeOf pExt Is IExtensionConfig Then
       TestExtension(pExt)
     End If
    Next I

    pJITExtMgr = m_App
    For I = 0 To pJITExtMgr.JITExtensionCount - 1
     pUID = pJITExtMgr.JITExtensionCLSID(I)
     If pJITExtMgr.IsExtensionEnabled(pUID) Then
       pExt = pExtMgr.FindExtension(pUID)
      If TypeOf pExt Is IExtensionConfig Then
        TestExtension(pExt)
      End If
     End If
    Next I

  Private Sub TestExtension(ByVal pExt As IExtension)

    Dim pExtConfig As IExtensionConfig
    Dim arrExtensions() As String = {"Maplex", "Tracking Analyst", "Spatial Analyst", "ESRI ArcScan Tools", "ESRI
Publisher Extension", "3D Analyst", "SurveyAnalyst_ArcMapExtension", "Geostatistical Analyst", "Data Interoperability",
"ESRI Schematic Extension", "Network Analyst"}

    Dim varExt As Object
    Dim CanAdd As Boolean = True

    pExtConfig = pExt
```

```
    For Each varExt In arrExtensions
      If pExt.Name = varExt Then
        If pExtConfig.State = esriExtensionState.esriESEnabled Then
          For i As Integer = 0 To lstExtention.Items.Count - 1
            If lstExtention.Items.Item(i) = pExt.Name Then
              CanAdd = False
            End If
          Next
          If CanAdd Then lstExtention.Items.Add(pExt.Name)
        End If
      End If
    Next varExt


  End Sub
```

Thanks to Ken Buja at
National Oceanic and Atmospheric Administration
Gen

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Re:Turn Extensions Off 9.2
Posted by Mohamad Abdul Rahman - 2008/07/18 03:04
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Hai, I'm student from Malaysia. I'm very interesting to GIS Programming. If I want to develope some new extension (use vba), for example Integrated Flood Management System For Malaysia country, How I want to enter this extension in the list ArcGIS Extension?

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Re:Turn Extensions Off 9.2
Posted by Barry Biediger - 2008/07/18 10:05
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Mohamad,

You need to use VB6 or .net to create your own extensions.

You might want to start here:
http://edndoc.esri.com/arcobjects/9.2/CPP_VB6_VBA_VCPP_Doc/COM/VB6/scenarios/dtop_extensions.htm

There is also a version of the document for .net: http://edndoc.esri.com/arcobjects/9.2/NET/06b87b98-6477-4036-85f3-ef27caa00bb0.htm#ConfigExt

Barry

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Re:Turn Extensions Off 9.2
Posted by Bert Granberg - 2008/07/18 10:11
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here's another resource:

http://edndoc.esri.com/arcobjects/9.2/CPP_VB6_VBA_VCPP_Doc/COM_Samples_Docs/Application_Framework/Sample_Extension/e70c1976-f545-421d-b98a-aa25ad62aca8.htm

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Re:Turn Extensions Off 9.2

Posted by Mohamad Abdul Rahman - 2008/07/18 16:41
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Thanks you very much to Bert and Barry.

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Re:Turn Extensions Off 9.2
Posted by Mohamad Abdul Rahman - 2008/08/22 02:37
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Hallo,
I want to know how to add a new main menu and pulldowm menu at the arcgis. for example that menu to link a my website.

Thanks.

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Re:Turn Extensions Off 9.2
Posted by Bert Granberg - 2008/08/25 16:46
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you can add custom items or rearrange items on any of the out of box menus or right click context menus:

http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?TopicName=Changing_a_toolbar%27s_or_menu%27s_contents

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